

Title (en)  
A controller for a radio circuit

Title (de)  
Steuerung für eine Funkschaltung

Title (fr)  
Contrôleur pour circuit radio

Publication  
**EP 2557688 B1 20180523 (EN)**

Application  
**EP 11290371 A 20110811**

Priority  
EP 11290371 A 20110811

Abstract (en)  
[origin: EP2557688A1] The invention relates to a controller (105) for a radio circuit (100). The radio circuit comprises at least one variable impedance element (102) coupled between an antenna (101) and a received signal quality indicator generator (104). The controller is configured to receive a received signal quality indicator from the received signal quality indicator generator and to provide a control signal to the at least one variable impedance element. The control signal (110) comprises a command to modify the impedance of the variable impedance element in accordance with the value of the received signal quality indicator.

IPC 8 full level  
**H03H 7/40** (2006.01)

CPC (source: EP US)  
**H03H 7/40** (2013.01 - EP US)

Citation (examination)  
FIRRAO E L ET AL: "An Automatic Antenna Tuning System Using Only RF Signal Amplitudes", IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II: EXPRESS BRIEFS, IEEE, US, vol. 55, no. 9, 1 September 2008 (2008-09-01), pages 833 - 837, XP011333982, ISSN: 1549-7747, DOI: 10.1109/TCSII.2008.925652

Cited by  
CN112904093A; WO2015128006A1

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**EP 11290371 A 20110811**; CN 201210279942 A 20120808; US 201213556803 A 20120724